

AMENDMENTS TO THE CLAIMS:

1. (Currently Amended) An occipital plate comprising:
a Y-shaped plate portion having a front side and a back side, a central portion, two leg portions, and a plurality of bone screw holes in the central portion, and a bushing; wherein the holes are being configured and dimensioned to receive the a bushing;
at least one clamping portion disposed on the front side proximate a free end of at least one of the leg portions;
wherein the plate is bendable to conform to an occiput.
2. (Original) The occipital plate of claim 1, wherein the central portion includes an upper portion, a lower portion, and a grooved portion therebetween, the upper portion having one bone screw hole.
3. (Original) The occipital plate of claim 2, wherein the grooved portion is flexible to permit the upper portion to be disposed at an angle with respect to the lower portion.
4. (Original) The occipital plate of claim 2, wherein the leg portions and at least a portion of the central portion are disposed in nonparallel planes.
5. (Original) The occipital plate of claim 4, wherein the planes intersect at an angle of between about 160° and about 175°.
6. (Original) The occipital plate of claim 5, wherein the planes intersect at an angle of about 170°.
7. (Currently Amended) The occipital plate of claim 1 2, wherein the clamping portion comprises a pivot member and a clamp plate, the clamp plate being pivotable about the pivot member.
8. (Original) The occipital plate of claim 7, wherein the clamp plate further comprises a hole, the pivot member being received in the hole.
9. (Original) The occipital plate of claim 8, wherein the pivot member further comprises a tapered portion with serrations, and the leg portion further comprises a tapered hole with serrations, wherein the serrations of the tapered portion positively engage the serrations of the tapered hole.

10. (Original) The occipital plate of claim 9, wherein the diameter of the tapered hole increases from the back side to the front side.

11. (Original) The occipital plate of claim 10, wherein the clamp plate is secured to the pivot member with a fastener.

12. (Original) The occipital plate of claim 7, wherein the leg portion additionally comprises a rod-receiving first recess and the clamping plate additionally comprises a rod-receiving second recess, the first and second recesses generally opposing each other.

13. (Original) The occipital plate of claim 12, wherein the second recess is serrated.

14. (Original) The occipital plate of claim 2, wherein the bone screw holes in the lower portion are disposed in a rectangular array.

15. (Original) The occipital plate of claim 14, wherein at least one group of bone screw holes in the array is disposed along a central axis of the plate extending between the leg portions.

16. (Original) The occipital plate of claim 15, wherein the bone screw hole in the upper portion is disposed on the central axis.

17. (Original) The occipital plate of claim 2, wherein at least two bone screw holes are disposed coaxially.

18. (Currently Amended) The occipital plate of claim 1 2, wherein the bushings permit polyaxial angulation.

19. (Currently Amended) The occipital plate of claim 1 48, wherein the plate is bendable along at least two generally parallel axes.

20. (Currently Amended) The occipital plate of claim 1 48, wherein the plate is bendable along at least two generally perpendicular axes.

21. (Original) An occipitocervical fixation system comprising:
an occipital plate comprising at least one rod clamp portion and a plate portion
with at least one hole for receiving a bone screw, the rod clamp portion having a post, a
pivotal clamp plate with a hole for receiving the post, and a fastener for tightening the
clamp to the post;

at least one bone screw; and

at least one rod,

wherein the rod is retained between the plate portion and the clamp plate and
is pivotal about the post

wherein the plate further includes an arcuate stepped-in portion adjacent the
post and the clamp plate further includes an extension sized and configured to engage the
arcuate stepped-in portion.

22. (Cancelled)

23. (Cancelled)

24. (New) The occipital plate of claim 18, wherein the exterior
surface of the bushing has a frustospherical shape.

25. (New) The occipital plate of claim 18, wherein the bushing
further includes at least one slot located on a sidewall thereof.

26. (New) The occipital plate of claim 25, wherein the sidewall
further includes a ridge.

27. (New) The occipital plate of claim 12, wherein the rod-
receiving first recess has a V-shaped recess.

28. (New) The occipitocervical fixation system of claim 21,
wherein the arcuate stepped in-portion extends through an angle of about 80 degrees to about
120 degrees.

29. (New) The occipitocervical fixation system of claim 21,
wherein the plate further includes a post hole sized and configured to receive the post.

30. (New) The occipitocervical fixation system of claim 29,
wherein the post further comprises a tapered portion with serrations, and the post hole further

comprises a tapered hole with serrations, wherein the serrations of the tapered portion positively engage the serrations of the tapered hole.

31. (New) The occipitocervical fixation system of claim 30, wherein the diameter of the tapered hole increases from the back side to the front side.

32. (New) The occipitocervical fixation system of claim 29, wherein the plate further comprises a rod-receiving first recess and the clamp plate further comprises a rod-receiving second recess, the first and second recesses generally opposing each other.

33. (New) The occipitocervical fixation system of claim 32, wherein the second recess is serrated.

34. (New) The occipitocervical fixation system of claim 32, wherein the rod-receiving first recess has a V-shaped recess.

35. (New) The occipitocervical fixation system of claim 21, wherein the rod is positionable in the at least one clamp portion by insertion from a top portion of the assembly.

36. (New) The occipitocervical fixation system of claim 21, wherein the plate portion has an upper portion, a lower portion, and a grooved portion therebetween, the upper portion having one bone screw hole.

37. (New) The occipitocervical fixation system of claim 36, wherein the grooved portion is flexible to permit the upper portion to be disposed at an angle with respect to the lower portion.

38. (New) The occipitocervical fixation system of claim 36, wherein the bone screw holes in the lower portion are disposed in a rectangular array.

39. (New) The occipitocervical fixation system of claim 38, wherein at least one group of bone screw holes in the array is disposed along a central axis of the plate extending between the leg portions.

40. (New) The occipitocervical fixation system of claim 39, wherein the bone screw hole in the upper portion is disposed on the central axis.

41. (New) The occipitocervical fixation system of claim 36, wherein at least two bone screw holes are disposed coaxially.

42. (New) The occipitocervical fixation system of claim 21, wherein the rod clamp portion and the plate portion are disposed in nonparallel planes.

43. (New) The occipitocervical fixation system of claim 42, wherein the planes intersect at an angle of between about 160° and about 175 °.

44. (New) The occipitocervical fixation system of claim 42, wherein the planes intersect at an angle of about 170°.

45. (New) The occipitocervical fixation system of claim 21, wherein the plate further includes a bushing; the at least one bone screw hole being sized and configured to receive the bushing to permit polyaxial angulation.

46. (New) The occipitocervical fixation system of claim 45, wherein the exterior surface of the bushing has a frustospherical shape.

47. (New) The occipitocervical fixation system of claim 45, wherein the bushing further includes at least one slot located on a sidewall thereof.

48. (New) The occipitocervical fixation system of claim 47, wherein the sidewall further includes a ridge.

49. (New) The occipitocervical fixation system of claim 21, wherein the plate is bendable along at least two generally parallel axes.

50. (New) The occipitocervical fixation system of claim 21, wherein the plate is bendable along at least two generally perpendicular axes.

51. (New) An occipital plate comprising:
a front side and a back side, a central portion, and at least one leg portion;
at least one bone screw hole in the central portion;
at least one pivotable clamping portion disposed on the front side of the at least one leg portion;

wherein the at least one leg portion includes a post hole and the at least one clamping portion includes a pivot member and a clamp plate; the pivot member being sized and configured to mate with the clamp plate and the post hole.

52. (New) The occipital plate of claim 51, wherein the at least one leg portion further includes an arcuate stepped-in portion disposed along the lowermost region of the leg portion and the clamp plate further includes an extension sized and configured to engage the arcuate stepped-in portion.

53. (New) The occipital plate of claim 52, wherein the arcuate stepped in-portion extends through an angle of about 80 degrees to about 120 degrees.

54. (New) The occipital plate of claim 51, wherein the pivot member further comprises a tapered portion with serrations, and the post hole further comprises a tapered hole with serrations, wherein the serrations of the tapered portion positively engage the serrations of the tapered hole.

55. (New) The occipital plate of claim 54, wherein the diameter of the tapered hole increases from the back side to the front side.

56. (New) The occipital plate of claim 51, wherein the clamp plate is secured to the pivot member with a fastener.

57. (New) The occipital plate of claim 51, wherein the at least one leg portion further comprises a rod-receiving first recess and the clamp plate further comprises a rod-receiving second recess, the first and second recesses generally opposing each other.

58. (New) The occipital plate of claim 57, wherein the second recess is serrated.

59. (New) The occipital plate of claim 57, wherein the rod-receiving first recess has a V-shaped recess.

60. (New) The occipital plate of claim 51, wherein the plate further includes a spinal rod; the spinal rod being positionable in the at least one clamp portion by insertion from a top portion of the assembly.

61. (New) The occipital plate of claim 51, wherein the central portion includes an upper portion, a lower portion, and a grooved portion therebetween, the upper portion having one bone screw hole.

62. (New) The occipital plate of claim 61, wherein the grooved portion is flexible to permit the upper portion to be disposed at an angle with respect to the lower portion.

63. (New) The occipital plate of claim 51, wherein the leg portions and at least a portion of the central portion are disposed in nonparallel planes.

64. (New) The occipital plate of claim 63, wherein the planes intersect at an angle of between about 160° and about 175 °.

65. (New) The occipital plate of claim 63, wherein the planes intersect at an angle of about 170°.

66. (New) The occipital plate of claim 51, wherein the bone screw holes in the lower portion are disposed in a rectangular array.

67. (New) The occipital plate of claim 66, wherein at least one group of bone screw holes in the array is disposed along a central axis of the plate extending between the leg portions.

68. (New) The occipital plate of claim 67, wherein the bone screw hole in the upper portion is disposed on the central axis.

69. (New) The occipital plate of claim 51, wherein at least two bone screw holes are disposed coaxially.

70. (New) The occipital plate of claim 51, wherein the plate further includes a bushing; the at least one bone screw hole being sized and configured to receive the bushing to permit polyaxial angulation.

71. (New) The occipital plate of claim 70, wherein the exterior surface of the bushing has a frustospherical shape.

72. (New) The occipital plate of claim 70, wherein the bushing further includes at least one slot located on a sidewall thereof.

73. (New) The occipital plate of claim 72, wherein the sidewall further includes a ridge.

74. (New) The occipital plate of claim 51, wherein the plate is bendable along at least two generally parallel axes.

75. (New) The occipital plate of claim 51, wherein the plate is bendable along at least two generally perpendicular axes.